

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: MARTINEZ-CEPEDA, Frederico

SERIAL NO.:

FILED: Herewith

TITLE: IMPROVED PROCEDURE IN CONSTRUCTION OF HIGH SPEED WINDPROOF HOUSES

Preliminary Amendment: CLAIM AMENDMENTS

1. (Currently amended) ~~Improved~~ A procedure in ~~the~~ construction of high speed windproof houses, ~~which fundamentally uses~~ said windproof houses comprised of a high resistance steel profile, similar to type Mon-Ten, rolling ~~the~~ lamina in cold and with ~~the~~ ua drawing formed by ~~skates~~ skids, a core and some closings, ~~being the~~ having said core as well as ~~the~~ closings stiffened, in order to obtain that all the section is an effective area and at the same time, obtaining with those stiffenings, in a safe and efficient way ~~the~~, fixation of ~~the~~ steel lamina that ~~further on~~ is used later on, ~~with~~ which efficiently supports the loads and efforts provoked by the wind at high speed, ~~and where the procedure is characterized by:~~ said procedure comprising the steps of:

~~a first step, consists in~~ constructing a structure of a house, that integrates ~~the~~ a main structure, setting ~~it~~ up on a piece of land, and ~~in~~ lifting the main structure ~~formed by~~ comprised of columns, joists, skids and crosspieces, using the ~~above mentioned~~ steel profile; and ~~wherein the~~ union of joists with ~~the~~ different columns; is done efficiently by means of joint plates, and screws; ~~wherein~~ these joint plates; are angular steel lamina plates and ~~the~~ screws are calculated and designed to support loads generated by winds up to 250 miles per hour, choosing special steel screws type Grade 5, ~~besides the~~ wherein union of joists that intercross is done by steel screws type Grade 5, and ~~wherein~~ the joist union and columns do not intercross, ~~they~~ and are joined by terminal plates,

consisting in comprised of a steel plate that is welded in the crosspieces closings, ~~remaining~~ leaving the whole structure united by ~~means of~~ steel screws grade 5, and forming a sole piece;

~~a second step, consists in~~ covering the structure with steel lamina, forming a fuselage of the house, a showier final effect, then a hard wooden covering is made for the interior part, and the internal walls of the rooms are covered with hard tongued and grooved wood, standing out from the joint steel laminas with the profile of a column, by means of welding or glue or with self-threading screws meanwhile, the union of a steel lamina with the profile of the skids is done by means of screws, or glue, obtaining in such a way a fuselage of the structure, and obtaining a sole body and at the same time a capacity to support the loads and efforts of the wind: ; and

~~A third step, consists in~~ setting ~~the~~ closings of the structure, that will be used to diminish and to divert ~~the~~ currents of ~~the~~ wind shock, ~~formed by~~ comprised of some curved pieces, that will be set in ~~the~~ place where ~~the edge~~ edges of the crossings of the flat surfaces of the covering and walls would be, so when ~~the~~ wind flow crashes, wind deviates it and at the same time its speed is diminished.